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**Titel:** PAPER MARKING DEVICE

### **Zusammenfassung**

**PURPOSE:** To vary a thickness of a line to be marked by radiating laser beams once.

**CONSTITUTION:** A paper marker is composed of a scanning mechanism 6 which drives an optical system irradiated with laser beams emitted from a carbonic acid gas laser 2 to radiate laser beams to a side surface of a corrugated cardboard box 4 and varies a radiating direction of the laser beams, a focal distance regulating mechanism 3 which is arranged between the carbonic acid gas laser 2 and the optical system, is equipped with a lens thickening the laser beams of the carbonic acid gas laser 2, and varies a distance of the laser beams from the lens of the optical system, and a controller 7 which varies intensity of the laser beams or marking speed according to the thickness of the laser beams.

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